Filter Temperature Sensor Locations and Feed Thru Pins

All sensors are 100 ohm platinum resistors with a 0.00385 Ω /°C temperature coefficient.

Filter volume is 1.72 liters.

Filter regeneration heater clamshell.

One RTD that is on the outside surface of the filter housing, under the clamshell. Pins E&F.

One RTD inserted into a tube that extends into the middle of the filter material. Pins A&B.

Filter regeneration gas pre-heater.

Stainless steel tubing wrapped around an aluminum cylinder. Two RTD sensors embedded in aluminum block for heater control. During cool down, temperature sensors embedded in aluminum cylinder will trail tube temperature because of the poor thermal connection (line contact) between the tubes and cylinder.

